

10803711 - GAU: 3767

PTO/SB/08A (04-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 4

Complete if Known

Application Number	10/803,711
Filing Date	March 18, 2004
First Named Inventor	Keimel, et al.
Art Unit	1616
Examiner Name	Unknown
Attorney Docket Number	42173-P003US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,594,880	07/22/03	Elsberry	
		US- 6,599,919	07/29/03	Fan, et al.	
		US- 6,613,322	09/02/03	Tabas, et al.	
		US- 6,638,712	10/28/03	Lobel, et al.	
		US- 2002/0052311	05/02/02	Solomon, et al.	
		US- 2002/0110551	08/15/02	Chen	
		US- 2002/0127219	09/12/02	Okkels, et al.	
		US- 2002/0142985	10/03/02	Dwek, et al.	
		US- 2002/0164758	11/07/02	Kakkis	
		US- 2003/0087803	05/08/03	Yatvin, et al.	
		US- 2003/0129186	07/10/03	Beliveau, et al.	
		US- 2003/0133904	07/17/03	Dagan, et al.	
		US- 2003/0161809	08/28/03	Houston, et al.	
		US- 2003/0215432	11/20/03	Matalon	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 98/011245	03/19/98	Gueiros-Filmo, et al.		
		WO 03/055538	07/10/03	Jin		
		EP 0 290 891 B1	11/17/88	Sabel, et al.		
		WO 03/090820 A1	11/06/03	Hanker, et al.		

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SignatureDate
Considered

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Sheet 1 of 4

Application Number	10/803,711
Filing Date	March 18, 2004
First Named Inventor	Keimel, et al.
Art Unit	1616
Examiner Name	Unknown
Attorney Docket Number	42173-P004US

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 5,222,982	06/29/93	Ommaya	
		US- 5,385,582	01/31/95	Ommaya	
		US- 5,433,946	07/18/95	Allen, Jr., et al.	
		US- 5,716,614	02/10/98	Katz, et al.	
		US- 5,798,366	08/25/98	Platt, et al.	
		US- 5,814,014	09/29/98	Elsberry, et al.	
		US- 5,846,220	12/08/98	Elsberry	
		US- 6,056,725	05/02/00	Elsberry	
		US- 6,093,180	06/25/00	Elsberry	
		US- 6,410,250	06/25/02	Gueiros-Filho, et al.	
		US- 6,458,574	10/01/02	Selden, et al.	
		US- 6,503,242	01/07/03	Elsberry	
		US- 6,551,290	04/22/03	Elsberry, et al.	
		US- 6,537,785	03/25/03	Canfield	
		US- 6,569,661	05/27/03	Qin, et al.	
		US- 6,582,692	06/24/03	Podsakoff, et al.	
		US- 6,583,158	06/24/03	Fan, et al.	
		US- 6,585,971	07/01/03	Kakkis	
		US- 6,589,964	07/08/03	Fan, et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 02/087510	11/07/02	Lebowitz, et al.		
		WO 02/038171	05/16/02	Kakkis		
		WO 02/007671	01/31/02	Lavi, et al.		
		WO 02/004616	01/17/02	Hendstrand, et al.		
		WO 99/056770	11/11/99	Chang, et al.		

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/803,711		
		Filing Date	March 18, 2004		
		First Named Inventor	Keimel, et al.		
		Art Unit	1616		
Sheet	3	of	4	Examiner Name	Unknown
				Attorney Docket Number	42173-P003US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kmiec, "Gene Therapy," American Scientist, 87(3): 240 (1999)	
		Woo, "The Last Word: Researchers React to Gene Therapy's Pitfalls and Promises," FDA Consumer Magazine, Sept.-Oct. (2000)	
		Young, "'Miracle' gene therapy trial halted," New Scientist, 14:30 (2002)	
		Hsu et al., "Niemann-Pick disease type C (a cellular cholesterol lipidosis) treated by bone marrow transplantation," Bone Marrow Transplantation, 24:103-107 (1999)	
		Yeager et al., "Bone marrow transplantation for infantile ceramidase deficiency (Farber disease)," Bone Marrow Transplantation, 26:357-363 (2000)	
		von Specht et al, "Enzyme replacement in Tay-Sachs disease," Neurology, Jun; 29(6):848-54 (1979)	
		Dobrenis and Rattazzi, "Neuronal lysosomal enzyme replacement using fragment C of tetanus toxin," Proc. Natl. Acad. Sci. U S A, Mar 15; 89(6):2297-301 (1992)	
		Kakkis, "Normalization of Carbohydrate Storage in Brain Tissue Using an MPS I Model," Ninth International Congress on Inborn Errors of Metabolism, September 3, 2003, Brisbane, Australia	
		Levy, R. Implanted Drug Delivery Systems for Control of Chronic Pain. Chapter 19 of Neurosurgical Management of Pain. New York, NY: Springer-Verlag; 1997	
		Athappilly et al., "Crystallographic analysis of the pH-dependent binding of iminobiotin by streptavidin," Protein Science, 6(6):1338-42 (1997)	

Examiner Signature	Date Considered
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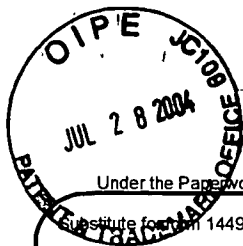
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Attorney Docket Number	42173-P004US		
Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Chilkoti et al., "Site-directed mutagenesis studies of the high-affinity streptavidin-biotin complex: Contributions of tryptophan residues 79, 108, and 120," Proc. Natl. Acad. Sci. USA, 92: 1754-1758 (1995)	
		Chian et al., "Insulin-like growth factor-1: tetanus toxin fragment C fusion protein for improved delivery of IGF-1 to the CNS," Program No. 413.14, Abstract Viewer, Society for Neuroscience Annual Meeting (2003)	
		C. Matthews et al., "A streptavidin-tetanus toxin C fragment fusion protein for the delivery of biotinylated molecules to neurons," Program No. 733.18 Abstract Viewer, Society for Neuroscience Annual Meeting (2003)	
		Larson et al., "Glial-derived neurotrophic factor: tetanus toxin fragment C fusion protein for targeted delivery of GDNF to neurons," Program No. 299.5, Abstract Viewer, Society for Neuroscience Annual Meeting (2003)	
		Zirzow et al., "Delivery, distribution, and neuronal uptake of exogenous mannose-terminal glucocerebrosidase in the intact rat brain," Neurochem Res., 24(2):301-305 (1999)	

Examiner Signature	/Larry R. Wilson/	Date Considered	08/24/2009
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